

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A portable container that supplies a source of fuel to a direct methanol fuel cell, the container comprising:

a housing provided by a plurality of walls each of the walls of the housing of a vapor impermeable material, the walls of the housing defining a fixed interior space confining a vapor and having at least a portion of a first one of the walls of the housing being comprised of a thermally conductive material;

a fuel egress port member supported by a second, different one of the walls of the housing, the fuel egress port member having a single passage through the second, different one of the walls of the housing; and

a surface area enhanced planar vaporization membrane disposed in the housing of the container, with the surface area enhanced planar vaporization membrane and a substantial fixed portion of the fixed interior space of the housing confining and being in direct contact with a liquid source of an oxidizable fuel, and the egress port member being isolated from the liquid source and delivering the oxidizable fuel in a vapor phase from the container.

2. (Original) The container of claim 1 wherein the surface area enhanced planar vaporization membrane is a polymer membrane.

3. (Original) The container of claim 1 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is comprised of a metal.

4. (Previously Presented) The container of claim 1 wherein remaining portions of walls of the housing are thermally insulating.

5. (Original) The container of claim 1 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is a portion of the housing of the container disposed adjacent the fuel egress port of the container.

6. (Original) The container of claim 1 wherein the container is a fuel cartridge.

7. (Previously Presented) The container of claim 6 wherein the cartridge contains the source of fuel.

8. (Previously Presented) The container of claim 1 wherein the source of fuel is methanol.

9. (Previously Presented) The container of claim 1 wherein the container is a fuel reservoir.

10. (Previously Presented) The container of claim 1 wherein at least a portion of a wall of the housing being comprised of a thermally conductive material sinks heat to enhance a delivery rate of methanol in a vapor phase across the membrane to deliver the vapor at the egress port of the container.

11. (Currently Amended) A portable fuel cartridge that supplies a source of fuel to a fuel cell, the fuel cartridge comprising:

a housing, of vapor impermeable walls, the walls of the housing defining a fixed interior space to confine and to be in direct contact with a liquid source of an oxidizable fuel, the housing having walls that define the fixed interior space and having at least a portion of a first one of the walls of the housing comprised of a thermally conductive material; and

a fuel egress port member supported by a second, different one of the walls of the housing of the cartridge, the fuel egress port member providing an egress through the second, different one of the walls of the housing with the at least ~~[[a]]~~ portion of ~~[[a]]~~ the first wall of the housing sinking heat generated from external components to enhance a delivery rate of the liquid source of oxidizable fuel in a vapor phase to the egress port of the cartridge.

12. (Previously Presented) The fuel cartridge of claim 11 wherein the liquid is methanol and the fuel cell is a direct methanol fuel cell.

13. (Previously Presented) The fuel cartridge of claim 11 wherein remaining portions of walls of the housing are thermally insulating.

14. (Currently Amended) The fuel cartridge of claim 11 wherein the at least ~~[[a]]~~ the portion of ~~[[a]]~~ the wall of the housing being comprised of a thermally conductive material is the complete portion of the wall ~~a portion of the housing of the cartridge disposed adjacent the fuel egress port of the cartridge.~~

15. (Original) The fuel cartridge of claim 11 wherein the at least a portion of a wall of the housing being comprised of a thermally conductive material is comprised of a metal.

Claims 16-19 are canceled.

20. (Previously Presented) The container of claim 1 wherein the container is configured for a specific electronic device and the portion of the wall of the housing of the container is configured to be disposed adjacent a heating dissipating element of the electronic device.

21. (Previously Presented) The container of claim 1 wherein the container delivers methanol to the fuel egress port.

22. (Previously Presented) The container of claim 1 wherein the container is configured for a specific electronic device, the portion of the wall of the housing of the container is configured to be disposed adjacent a heating dissipating element of the electronic device, and the container delivers methanol to the fuel egress port.

23. (Previously Presented) The cartridge of claim 11 wherein the fuel cartridge is configured for a specific electronic device, and wherein the portion of the wall of the housing of the cartridge is configured to be disposed adjacent a heat dissipating element of the electronic device.

24. (Previously Presented) The cartridge of claim 11 wherein the fuel cartridge delivers methanol to the fuel egress port.

25. (Previously Presented) The cartridge of claim 11 wherein the fuel cartridge is configured for a specific electronic device, the portion of the wall of the housing of the fuel cartridge is configured to be disposed adjacent a heating dissipating element of the electronic device, and the fuel cartridge delivers methanol to the fuel egress port.

26. (Previously Presented) The cartridge of claim 11 further comprising:
a surface area enhanced planar vaporization membrane residing in the cartridge.